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Date: September 25, 2003

By:

  
Sandy Reisman

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: EDWARD BALASSANIAN ET AL.

APPLICATION No.: 09/304,973

FILED: MAY 4, 1999

FOR: **METHOD AND SYSTEM FOR  
GENERATING A MAPPING BETWEEN  
TYPES OF DATA**

EXAMINER: ANDREW T. CALDWELL

ART UNIT: 2157

CONF. NO: 1456

**Second Supplemental Information Disclosure Statement After First  
Office Action but Before Final Action or Notice of Allowance – 37  
C.F.R. § 1.97(c)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

1. Timing of Submission

The information transmitted herewith is being filed *after* three months of the filing date of this application or after the mailing date of the first Office action on the merits, whichever occurred last, but *before* the mailing date of either a final action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, whichever occurs first. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Cited Information

Copies of the following references are enclosed:

- All cited references
- References marked by asterisks
- The following:

Copies of the following references can be found in parent U.S. Application No. :  
 All cited references  
 References marked by asterisks  
 The following:

The following references are not in English. For each such reference, the undersigned has enclosed: (i) a translation of the reference; (ii) a copy of a communication from a foreign patent office or International Searching Authority citing the reference; (iii) a copy of a reference which appears to be an English-language counterpart; or (iv) an English-language abstract for the reference prepared by a third party. Applicant has not verified that the translation, English-language counterpart or third-party abstract is an accurate representation of the teachings of the non-English reference, though, and reserves the right to demonstrate otherwise.  
 All cited references  
 References marked by ampersands  
 The following:

3. Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

4. Fee Payment (37 C.F.R. § 1.97(c)) or Certification (37 C.F.R. § 1.97(e))

Applicant elects to pay the fee under 37 C.F.R. § 1.17(p) \$180.00.  
 Check enclosed for \$  
 Please charge the above fee(s) to Deposit Account No. 50-0665  
this paper is provided in triplicate.

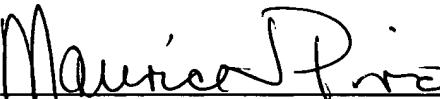
Applicant submits that no fee is due in light of the following certification under 37 C.F.R. § 1.97(e) (check only one):  
 In accordance with 37 C.F.R. § 1.97(e)(1), the undersigned hereby states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to this filing of this statement; or

- In accordance with 37 C.F.R. § 1.97(e)(2), the undersigned hereby states that no item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c), more than three months prior to the filing of this statement.
- This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.105(a)(1). In the Examiner's Request for Information dated September 2, 2003, the fee and certification requirements of 37 C.F.R. § 1.97 have been waived.
- Please charge any underpayment for timely filing of this paper to Deposit Account No. 50-0665.

5. Patent Term Adjustment (37 C.F.R. § 1.704(d))

- The undersigned states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this statement. 37 C.F.R. § 1.704(d).

Respectfully submitted,  
Perkins Coie LLP

  
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<p style="text-align: center;">G 1 Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)</p> <p style="text-align: right;">RECEIVED SEP 30 2003 Technology Center 2100</p> <p style="text-align: right;">Sheet 1 of 1</p>				<b>COMPLETE IF KNOWN</b>			
				Application Number	09/304,973		
				Confirmation Number	1456		
				Filing Date	May 4, 1999		
				First Named Inventor	Edward Balassanian		
				Group Art Unit	2151		
				Examiner Name			
				Attorney Docket No.	29451-8004US		
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIALS*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		NUMBER	Kind Code (if known)				
	AA						
<b>FOREIGN PATENT DOCUMENTS</b>							
*EXAMINER INITIALS*	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number				
	AB						
<b>OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS</b>							
*EXAMINER INITIALS*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, city and/or country where published.				T	
	AC	Amir, E. et al., "An Active Service Framework and its Application to Real-time Multimedia Transcoding", Proc. of the SIGCOMM '98, University of California at Berkeley, August 1998, pp. 1-12				✓	
	AD	Campbell, A. T. et al., "A Survey of Programmable Networks", ACM SIGCOMM Computer Communication Review, Columbia University, April 1999, 18 pages				✓	
	AE	Czerwinski, S. E. et al., "An Architecture for a Secure Service Discovery Service", Fifth Annual International Conference on Mobile Computing and Networks, University of California at Berkeley, August 1999, 12 pages				✓	
	AF	Fox, A. et al., "Adapting to Network and Client Variation Using Infrastructural Proxies: Lessons and Perspectives", IEEE Personal Communication, University of California at Berkeley, August 1998, 15 pages				✓	
	AG	Fox, A. et al., "Cluster-based Scalable Network Services", Proc. of the 16 <sup>th</sup> ACM Symp. on Operating Systems Principles, University of California at Berkeley, October 1997, 14 pages				✓	
	AH	Gribble, S. D. et al., "The MultiSpace: an Evolutionary Platform for Infrastructural Services", Proc. of the 1999 Usenix Annual Technical Conf., University of California at Berkeley, June 1999, 14 pages				✓	
	AI	Gribble, S. D. et al., "The Ninja Architecture for Robust Internet-Scale Systems and Services", University of California at Berkeley, <a href="http://ninja.cs.berkeley.edu">http://ninja.cs.berkeley.edu</a> , accessed August 2, 2001, 18 pages				✓	
	AJ	Joseph, A. D. et al., "Mobile Computing with the Rover Toolkit", IEEE Transaction on Computers: Special Issue on Mobile Computing, 46(3), Cambridge, MA, March 1997, pp. 1-24				✓	
	AK	Kiciman, E. et al., "Using Dynamic Mediation to Integrate COTS Entities in a Ubiquitous Computing Environment", Proc. of the 2 <sup>nd</sup> Handheld and Ubiquitous Computing Conference (HUC '00), Stanford University, March 2000, 16 pages				✓	
	AL	Mallet, A. et al., "Operating System Support for Protocol Boosters", Proc. of HIPPARCH Workshop, Philadelphia, PA, June 1997, pp. 1-11				✓	
	AM	Mohan, R. et al., "Adapting Multimedia Internet Content for Universal Access", IEEE Transactions on Multimedia, 1(1):104-114, New York, NY, March 1999, pp. 1-35				✓	
	AN	Nakao, A. et al., "Constructing End-to-End Paths for Playing Media Objects", Proc. of the OpenArch '2001, Princeton University, March 2001, 12 pages				✓	
	AO	Noble, Brian D., "Mobile Data Access", PhD Thesis, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, 1998, pp. 1-151				✓	
	AP	Reiher, P., et al., "Automated Planning for Open Architectures", Proc. of OperArch '2000, Los Angeles, CA, March 2000, 4 pages				✓	
	AQ	Sudame, P. et al., "Transformer Tunnels: A Framework for Providing Route-Specific Adoptions", Proc. of the USENIX Technical Conf., Rutgers University, Piscataway, NY, June 1998, 10 pages				✓	
	AR	Tennenhouse, D. et al., "Towards an Active Network Architecture", Computer Communications Review, MIT, April 1996, 14 pages				✓	
	AS	Weethrall, D. J. et al., "ANTS: A Toolkit for Building and Dynamically Deploying Network Protocols", Proc. of 2 <sup>nd</sup> IEEE OPENARCH, MIT, 1998, pp. 1-12				✓	
	AT	Yavis, M. et al., "Conductor: A Framework for Distributed Adaptation", Proc. of the Seventh Workshop on Hot Topics in Operating Systems, UCLA, March 1999, 6 pages					
EXAMINER				DATE CONSIDERED			



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

**COMPLETE IF KNOWN**

Express Mail No.	EV335525007US
Application Number	09/304,973
Confirmation Number	1456
Filing Date	May 4, 1999
First Named Inventor	Edward Balassanian
Group Art Unit	2157
Examiner Name	Andrew T. Caldwell
Attorney Docket No.	29451-8004US

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## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

#### OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

OTHER RICK ART NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.		
		Nakao, A. et al., "Constructing End-to-End Paths for Playing Media Objects", Proc. of the OpenArch '2001, Princeton University, March 2001, 12 pages		T

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).